

100 Year Hurricane Protection Projects Lake Pontchartrain and Vicinity

April 11, 2007 - 7:00 - 9:00 pm

Avalon Hotel & Conference Center

10100 J-10 Service Road

New Orleans, Louisiana

Environmental Compliance

37 Environmental Laws that must be considered.

National Historic Preservation Act
Threatened and Endangered Species Act
Clean Water Act
National Environmental Policy Act
"NEPA"

National Environmental Policy Act of 1969 "NEPA"

- Required that an environmental analysis be prepared for major federal actions.
- Analysis looks at potential impacts to the human environment.

 Coordination with Federal and State Resource Agencies, Environmental Groups and the Public.

Typical Analysis

- Purpose & Need for the Project
- Alternatives (including No-Action, Non-Structural Alternatives)
- Natural Environment
 Fish & Wildlife, Wetlands, Water Quality,
 Hydrology, Endangered Species, Direct, and
 Cumulative Impacts
- Man-made Environment
 Socio-Economic, Cultural, Recreation, Air Quality, and Hazardous Materials
- Mitigation

NEPA Scoping Process

"There shall be an early and open process for determining the scope of issues to be addressed and for identifying the significant issues related to the proposed action."



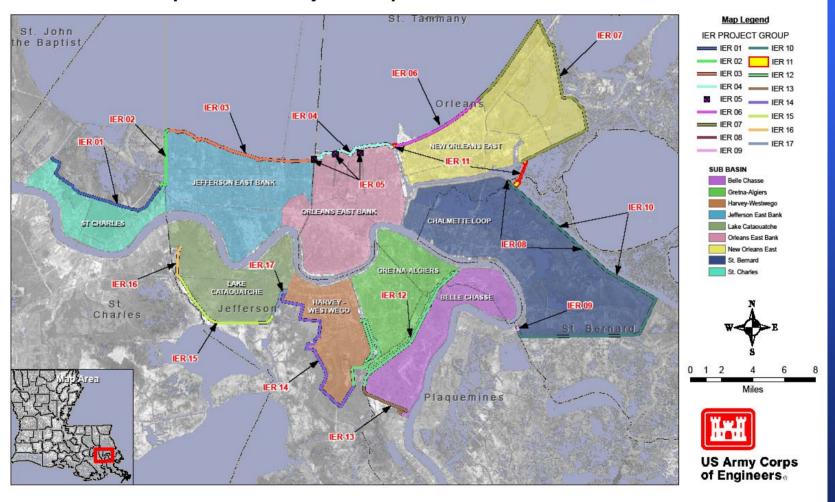
2007-07-13 5

Scoping Process

- Public meetings and written comment period.
- Opportunity for public and other interested parties to express concerns and suggest alternatives to be considered by Corps.

Project Study Area

Sub Basins and Representative Project Groups



Scoping Questions



Question #1: What are the most important issues, resources, and impacts that we should consider in the IER?

Examples:

- hurricane and flood protection
- protection of the environment (ie: wetlands, water quality, threatened and endangered species)
- protection of lives, homes, businesses, other properties
- protection of infrastructure (ie: roads, communications)

Scoping Questions



Question #2: Are there any other alternatives or modifications to existing alternatives that we should consider in the IER?

Examples:

- Other alternatives that provide hurricane protection
- Non Structural alternatives (raise roads, homes, etc)

Scoping Report

A Scoping Report will be written that summarizes the significant issues, alternatives and concerns of the public.

Monthly Meetings

Monthly public meetings will be held during the duration of the project. First meetings will start in May 2007.

Orleans Parish Hurricane Protection System

Interim Environmental Report (IER)
Scoping Meeting
April 11, 2007

Overall Project Map

LPV 101 - Lakefront Levee OEB - 17th St Canal to Topaz St

LPV 102 - Lakefront Levee OEB - Topaz to Orleans Canal

LPV 103 - Lakefront Levee OEB - Orleans Canal to London Ave

LPV 104 - Lakefront Levee OEB - London Avenue Canal to IHNC



Overall Project Map

LPV 105 - Lakefront Airport Floodwalls

LPV 106 - Citrus Lakefront Levee (west of Paris Road)

LPV 107 - Lincoln Beach Floodwall

LPV 108 - NOE Lakefront Levee

LPV 109 - New Orleans East Levee - Southpoint to GIWW

LPV 110 - New Orleans East Back Levee - CSX Railroad Gate

LPV 111 - New Orleans East Back Levee - CSX RR to Michoud Canal



LPV-101.01/101.02 - Lakefront Levee OEB - 17th St. Canal to Topaz St.







U.S. ARMY ENGINEER DISTRIC CORPS OF ENGINEERS MISSISSIPPI VALLEY DIVISION

Map Legend

CharrelFloogaw

Ratrosa Floragase

Rose Floorgase

Pampaulle

Federal Ismicane Flore-rall

Feeeral in micare L. Ficce-call

Federal Institute Lenge and Floor-call

French Procing Laws

Feceral Riverbankare Leves are Floor

Feceral River Leves and Floor-rall

FeeeralT Floor-all
Local Brahage Lener; Local hardcare Lene

Local Perfected American Floor-call

Local Lenge to Ferentibes

Partie Bosesan

PROJECT STATISTICS
Total Length: 3228'
Feder all Floodwall: 2018'
Feder all Hurricane Leuce: 630'
Feder all Leuce and Floodwall: 283'
Stroth & Gapt (6): 233'
Authorized Glade: 14'
100-Year Grade: 16'-18'
Existing Elevation: 12.5-13.5'
Est Cost (Millions): Phase 1 - \$1.0,



REGIONMAP



LPV-102.01/102.02 - Lakefront Levee OEB - Topaz St to Orleans Ave. Canal





PROJECT STATISTICS
Total Length: 6022'
Federal Hirrkane Leuee: 5577'
Federal Leuee and Floodwall: 151'
Strictine Gaps (6): 294'
Authorized Glade: 18.5'
IDD-Year Grade: 18.5'-20.5'
Existing Eleuation: 16.5'-19.0'
Est Cost (Millions): Pilase 1 - \$4.2,
Plase 2 - \$10.5'

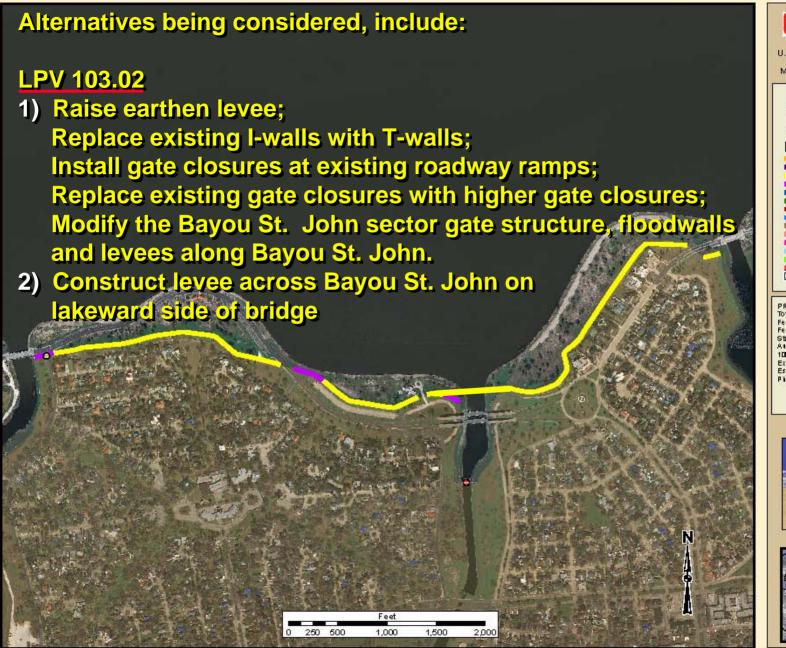
Purish Boston



REGIONMAP



LPV-103.01/103.02 - Lakefront Levee OEB - Orleans Canal to London Ave.





PROJECT STATISTICS
TOtal Length 17721'
Federal Hurricane Leuce: 6479'
Federal Leuce and Floodwall: 658'
Strictine Caps (6): 573'
Authorized Glade: 18.0'
100-Year Grade: 18.5'-20.5'
Existing Eleuation: 16.5'-20.0'
Est Cost (Milloris: Plase: 1 - \$9.1,
Plase: 2 - \$46.0'



REGION MAP



LPV-104.01/104.02 - Lakefront Levee OEB - London Ave. Canal to IHNC







U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS MISSISSIPPI VALLEY DIMISION

Mag Le gend

Ourrel Rougase

Rathous Floregate
Ross Floregate

X Party States

Federallismkare Floor-vall

Feceralisantespelenee
Feceralisantespeleneespe Ficcard

Federal Rhords to the Conse

FeceralRharf-erricare Lenerare Ficce-rall

Feceral Rhert enseure Floor-call

Local Drahage Lenes; Local Herricine Lenes Local Herricine Lenes and Floor-rail

Local Lengero Federalbes Rose de Lenge

Purish Bostoury

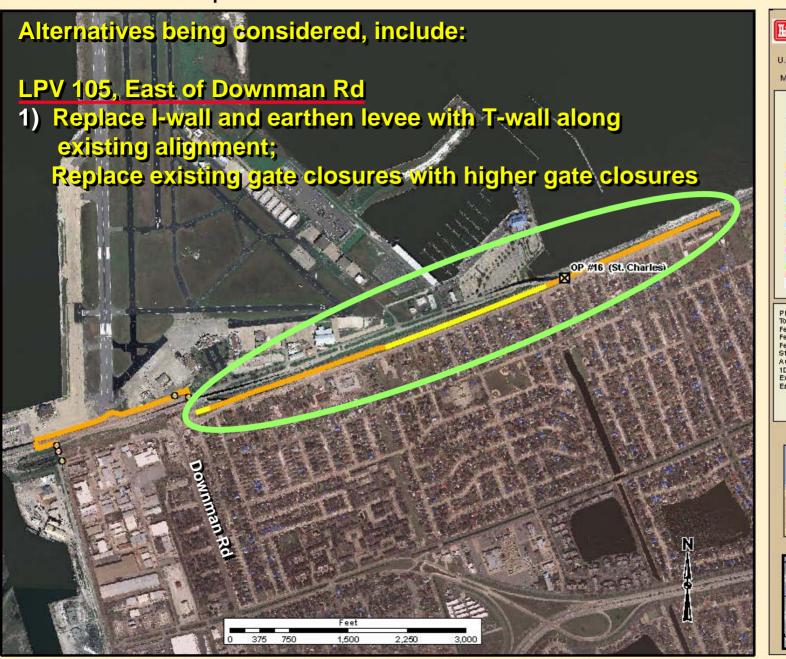
PROJECT STATISTICS
Total Length: 13591
Federal Floodwall: 5367
Federal Hurricare Lense: :9702'
Federal Lense and Floodwall: 2930'
Strictine Gaps (6): 520'
Anthorized Gade: 18.01-20.5'
100-Year Gade: 18.52-20.5'
Existing Elevation 15.07-20.0'
Est Cost (0)IIII03*() Plase 1 - \$5.8,
Plase 2 - \$36.5.2



REGION MA



LPV-105 - Lakefront Airport Floodwalls







U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS MISSISSIPPIVALLEY DIVISION

Man Le gend

Charrel Floorgam

Ratrose Floregau

Rose Floorgaw
RempSunke

Feseral lambare Floor-rall

Feceral Institute & Floor-call

Feeeral Indicate Lenge Sta Ficca-va

Frankr Pisraciko Lawa Fasarsi Riveria mkuna Lavaa

Feeersi Murrimmksre Lenee see Floor Feeersi Murr Lenee

Federal River Leves and Flood-vall
Federal T Flood-vall

Local Brainage Lenee; Local Hambare Lenee Local Hambare Lenee and Floce-vall Local Lenee to Federal bed

Rose se Lener

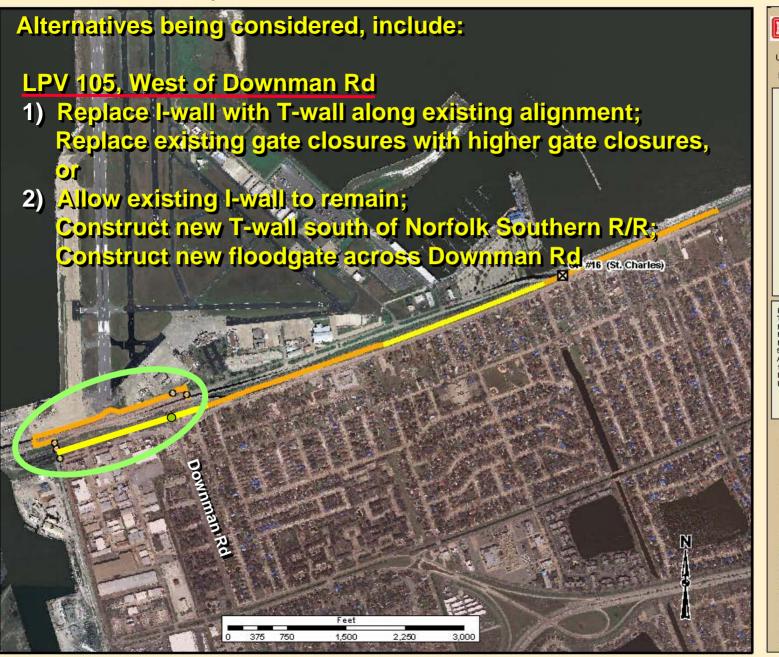
PROJECT STATISTICS
Total Length: 10077*
Fede rail Foodwall: 7307*
Fede rail Hurricane Leuee: 23597*
Fede rail Leuee and Floodwall: 52*
Strictine Gaps (5): 359*
Arthorized Gade: 15*
1001-Year Gade: 23*
Existing Elevation 12.0-14.0*
Est Cost (1001) or 3*
15.0 16.0 1



REGIONMAP



LPV-105 - Lakefront Airport Floodwalls





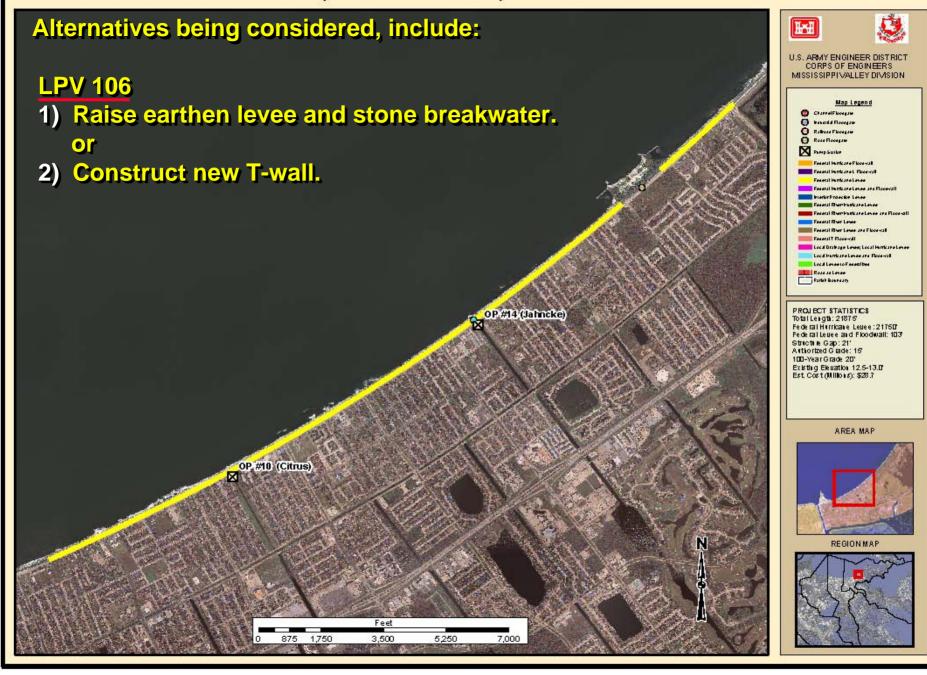
PROJECT STATISTICS
Total Length: 1007?
Fede rat Floodwall: 7307?
Fede rat Hirricane Leuce: 2359?
Fede rat Leuce and Floodwall: 52°
Stricthie Gaps (6): 359?
Atthortise Gide: 15
100-Year Grade 23°
Existing Ekuation 12:0-14.07
Est Cost (())(()()): \$116.0



REGIONMAP



LPV-106 - Citrus Lakefront Levee (west of Paris Road)

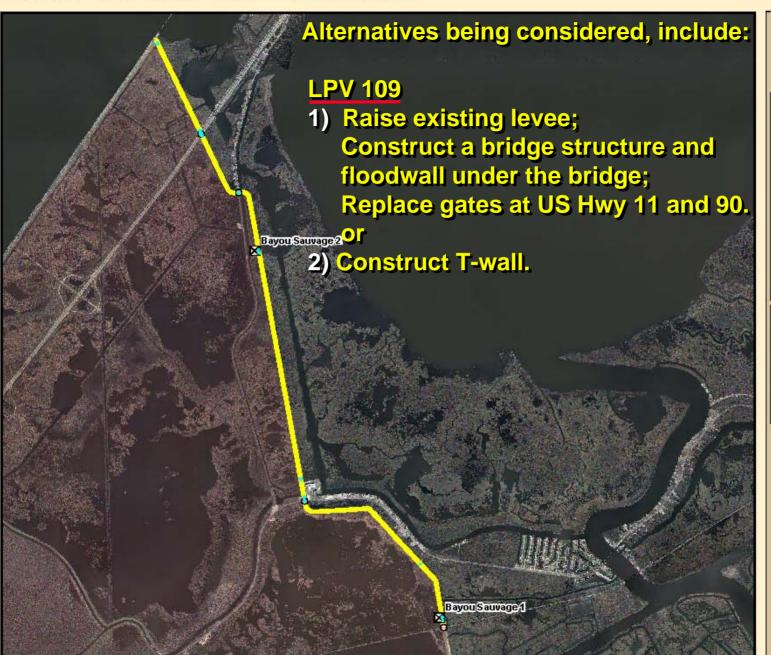


LPV-107 - Lincoln Beach Floodwall





LPV-109 - NOE Levee - South Point to CSX RR







U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS MISSISSIPPIVALLEY DIVISION

Aan Lenend

Charrel Floorgan

Rationa Floregau

Rose Rocegan

PampSuike

Feceral is micare Fisce - all

Ferenzi immicaret. Flore-vall

Feceral immicane Lenee
Feceral immicane Lenee and Ficceral

Brotos Praecilos Longo Brotos Albertalicas o Longo

Fosoral Riverbankaro Londo ara Floce-cil Fosoral River Londo

Feceral River Laws are Floor-call

📴 Feceral T Floor-väl T Local Brahage Lenen; Local Herricane Lenen

Local Perficipation and applications

Local Language of Person Date

Rose se Lenee

Partet Boneauty

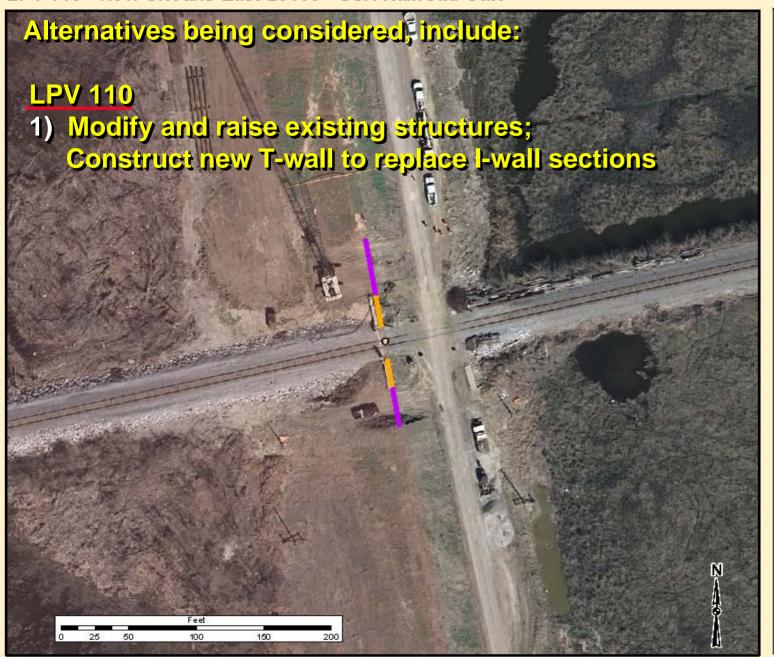
PROJECT STATISTICS
Total Length: 39521*
Fede rail Froodwall: 365*
Fede rail Harricane Leuee: 38054*
Strictus e Caps: (1): 395*
Atthorized Grade: 14.0-17.0*
100-Year Grade: 17.5-17.0*
Existing Elevation 7.5-17.0*
Est Cost (2010) o §7.2



REGIONMAR



LPV-110 - New Orleans East Levee - CSX Railroad Gate







U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS MISSISSIPPIVALLEY DIVISION



Outrel Floregue
 benefit Floregue

Rilliona Floragina

Rose Floorgate

Party States

Federalisant are Floor-call

Feceralisant and Fisce-call

Feceralisanicas e Leneras e Ficca-cal

FeerstRherbertkspelenee

Feceral Rherforticane Lenes and Ficco-val
Feceral RherLenes

Ferenzi Rherteneeupe Floor-rull

Federal T Floor-call Local Brainage Lense; Local Hambane Lense

Local Participe Leves and Florence Local Leves to Federal Dec

Partie Boneary

PROJECT STATISTICS
Total Length: 144'
Federal Floodwall: 45'
Federal Leues and Floodwall: 73'
Strictive Gap: 25'
Anthorized Giade: 17.0'

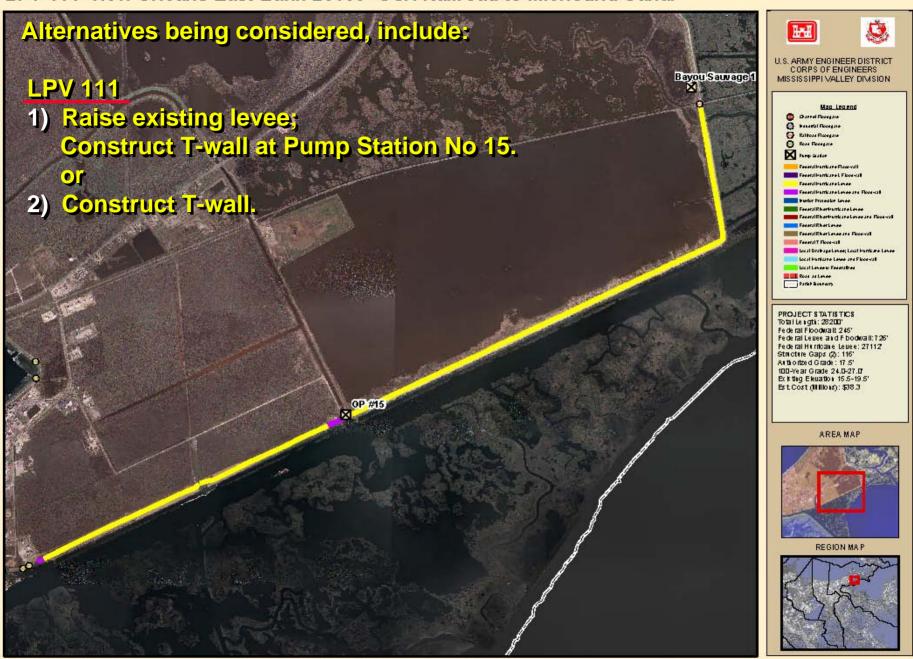
100-Year Grade 23.5' Existing Elevation 17' Est. Cost (Millions): \$1.3



REGIONMAP



LPV-111- New Orleans East Bank Levee- CSX Railroad to Michound Canal





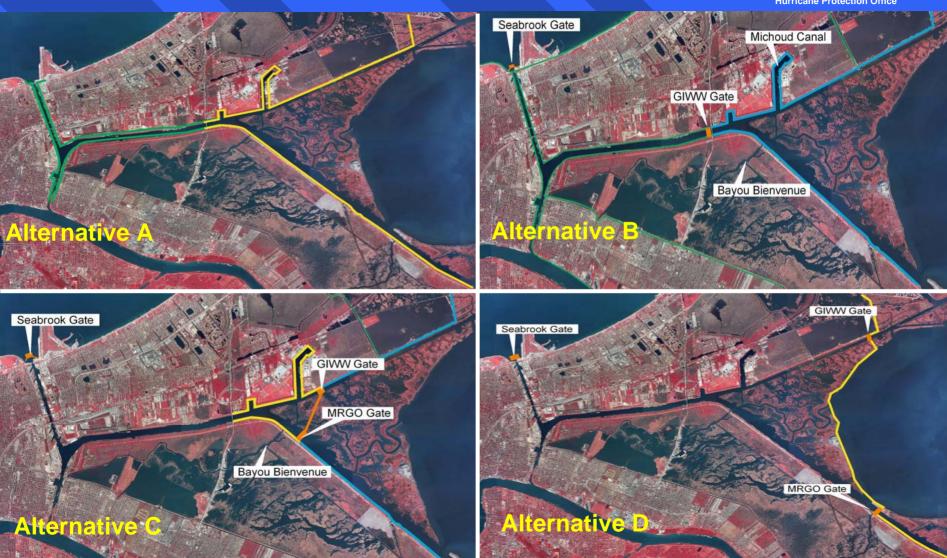
New Orleans East Existing and Alternate Levee/Floodwall Alignments



Including reach lengths for existing and proposed alternate levee alignments **Existing and Alternate Levee Lengths** Length Feet Miles Reach Description Maxent Primary 30,661 5.8 Parallel to Maxent Canal from PS #15 to Collins Pipeline Crossing Maxent Primary alignment to I-10, parallel I-10 to existing NOE Maxent Alternate 6.4 Interior Levee, to Lakefront Levee @ Paris Rd. Michoud Canal FW to Lakfront Levee @Paris Rd. (Would not NO East Interior Reach 4.8 protect Air Products plant) Existing NOE Interior plus tie in levee connecting Michoud FW to NO East Interior Reach A Maxent Canal (would protect Air Products, but not other industry 37.385 7.1 sites) Existing NOE Interior plus tie in levee connecting Michoud FW to NO East Interior Reach B Maxent Canal along Hwy 90 (would protect Air Products, and other 6.3 industry sites) Existing HPS Levee 19.2 Paris Rd. around to Michoud Canal Existing HPS Levee (Outside Maxent Primary Lakefront levee from Collins Pipeline crossing to back levee tie-ins Alignment) Map Legend Existing HPS Levee/Floodwall Project ____ LPV108 LPV109 ____ LPV110 ____ LPV111 ____ LPV112 **Alternate Levee Alignments** Maxent Primary Alignment Maxent Alternate Alignment Michoud to Maxent Canal Alt 1 Michoud to Maxent Canal Alt 2 Existing NO East Interior Levee

IHNC Alternative Concepts





*These renderings are preliminary and represent alternative concepts only. They do not represent the final design or placement of the proposed gates and or canals. Therefore, no one should place any reliance on, or make any decisions based upon, these preliminary renderings.

Questions regarding these projects should be addressed to:

Laura Lee Wilkinson

CEMVN-HPO

P.O. Box 60267

New Orleans, LA 70160-0267

Telephone: 504-862-1212

E-mail: Laura.L.Wilkinson@mvn02.usace.army.mil

Web site:

http://www.mvn.usace.army.mil/pd/Envir_Processes_NEPA/Index.htm